

Extra-High Accuracy VOM

Higher accuracy specifications for those more critical measurements are found in the Model 270-5. It has a better than 30% improvement in voltage and resistance accuracy as a full-function/range member of the Simpson 260 type VOM group.

- DCV Accuracy 1.25% of Full Scale
- ACV Accuracy 2% of Full Scale
- Resistance Accuracy 1.0° of Arc
- Diode Protected Self-Shielded Movement
- Includes Batteries and Probe Leads With Alligator Clips



Specifications

DC VOLTAGE

| Ranges | Accuracy* | Voltage Drop (Nominal) |
|--|-------------------------------------|------------------------|
| 250mV, 1V, 2.5V, 10V, 50V, 250V, 500V, 1000V | 1.25% of full scale @ 77 °F | 20KΩ per volt |
| | 1.75% of full scale @ 67 °F - 87 °F | |

AC VOLTAGE

| Ranges | Accuracy* | Voltage Drop (Nominal) |
|-----------------------------------|----------------------------------|------------------------|
| 2.5V, 10V, 50V, 250V, 500V, 1000V | 2% of full scale @ 77 °F | 5KΩ per volt |
| | 3% of full scale @ 67 °F - 87 °F | |

DECIBEL:

4 Ranges- -20 To +50dB Reference- 0dB=1mW Into 600Ω

DC CURRENT

| Ranges | Accuracy* | Voltage Drop (Nominal) |
|------------------------------------|--|------------------------|
| 50µA, 1mA, 10mA, 100mA, 500mA, 10A | 0.75% full scale on 50 µA @ 77 °F | 250mV on 50 µA and 1mA |
| | 1.25% full scale of all others @ 77 °F | 255mV on 10mA and 10A |
| | 1.25% full scale on 50 µA @ 67 °F - 87 °F | 300mV on 100mA |
| | 1.75% full scale of all others @ 67 °F - 87 °F | 500mV on 500mA |

RESISTANCE

| Ranges | Accuracy* | Max. Indication |
|--------|-------------------------|-----------------|
| Rx 1 | 1.5° of arc on Rx1 | 0-2KΩ |
| Rx 100 | 1° of arc on all others | 0-200KΩ |
| Rx 10K | | 0-20MΩ |

*Accuracies specified are for the 270-5 in a horizontal position.

Ordering Information

| VOMS | Catalog No. | ACCESSORIES | Catalog No. | ACCESSORIES | Catalog No. |
|--|-------------|-----------------------------|-------------|---------------------------|-------------|
| 270-5, High Accuracy | 12226 | Probe Set, Threaded w/Clips | 00043 | Case, Molded Plastic | 45028 |
| 270-5RT, High Accuracy, w/ Roll-Top Case | 12227 | Alligator Clips, Screw On | 00425 | Case, Yellow Padded Nylon | 00832 |
| | | 150-2 Amp Clamp Adapter, AC | 00545 | Case, Black Padded Nylon | 00834 |
| | | | | Case, Roll-top | 00248 |

Specifications (Continued)

BATTERIES: 1.5V D, 9V (NEDA No. 13F1604A)

SIZE: 7"(H) x 5.5"(W) 3.1"(D) (18x14x8cm)

WEIGHT: Approximately 3LBS. (1.4Kg)

FUSE: F1 1A, 250V, type 3AG, quick acting Littelfuse® Type 312001; F2 2A, 600 Littelfuse® Type BLS or 2A 600V, Bussman® Type BBS.

CIRCUIT TO GROUND VOLTAGE: 1000V AC/DC Max

Specifications subject to change without notice.

"GRAB N GO" PADDED NYLON CASES

Padded Nylon "Grab N Go" made of tough durable nylon enables VOM to be stored for quick field use... test leads remain in panel jacks. Thick padding protects your meter. Available in Yellow (00832) and Black (00834).



ROLL TOP CASES

Roll-top case made of a durable composite material protects meter during transit/storage. Cover rolls back into case for use. Special storage compartment for test leads under meter.



Mouser Electronics

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Simpson:

12226 12227